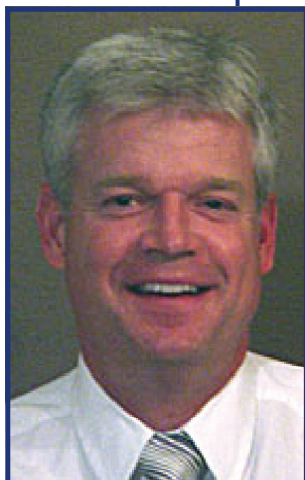




## Douglas Brian Kothe is Named Director of Science for the National Center for Computational Sciences



Doug Kothe will join Oak Ridge National Laboratory on January 30, 2006, as Director of Science for the National Center for Computational Sciences (NCCS). He was most recently Deputy Program Director for Theoretical and Computational Programs in the Advanced Simulation and Computing (ASC) Program at the Los Alamos National Laboratory (LANL), where he worked as a technical staff member since 1988—soon after receiving his Ph.D. in Nuclear Engineering from Purdue University. Doug also conducted his graduate dissertation research (in inertial confinement fusion) at LANL in 1985–1987, followed by a brief stint as a primary design physicist at the Lawrence Livermore National Laboratory in 1987–1988. He holds a Masters in Nuclear Engineering from Purdue and a B.S. in Chemical Engineering from the University of Missouri-Columbia.

Doug has over twenty years of computational science research experience and is a recognized international leader in the modeling of interfacial flows. He is the principal developer of broadly disseminated scientific simulation tools. Doug's research interest and expertise centers on the development of physical models and numerical algorithms for the simulation of a wide variety of physical processes in the presence of incompressible and compressible fluid flow. His most notable contribution is the development of methods for flows possessing interfaces, especially free surfaces. A recent accomplishment includes the inception and leadership of the ASC Program Telluride Project, which has developed an advanced manufacturing simulation tool (known as "Truchas") for the DOE complex. Doug is widely published and has enjoyed mentoring many early career scientists.

As Director of Science for the NCCS, Doug will be responsible for guiding the multidisciplinary application teams which have been awarded large allocations on the leadership computing systems to deliver the breakthrough science envisioned by DOE's Office of Science.

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